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Safety
- OSHA recordable rates (injuries/illnesses per 200,000 hours worked)
  - Recordable injuries in April: 5
  - Fiscal year total recordable case rate: 0.72
  - Fiscal year days away from work case rate: 0.13

Deactivating and Decommissioning Facilities
- Central Plateau Closure
  - Plutonium Finishing Plant (PFP)
    - Continued removing equipment contaminated with plutonium from the 232-Z incinerator facility to prepare for demolition. 232-Z is the first highly contaminated facility at PFP slated for demolition (by September 2006).
    - Successfully cleaned the first of five high-level waste storage tanks in the 241-Z facility, which was used during production years to transfer liquid waste from PFP to Hanford’s Tank Farms.
- Fast Flux Test Facility
  - The American Nuclear Society named FFTF a Nuclear Historic Landmark. The inscription on the designation plaque reads, “A flagship of the U.S. Department of Energy Breeder Reactor Program, which achieved national and international acclaim for design, engineering, and operational excellence.” FFTF is one of approximately 75 facilities around the globe that has been recognized since the ANS award program began in 1985. Fluor Hanford has managed FFTF for the Department of Energy since 1996 and is deactivating the facility to put it into a safe standby state. The designation does not affect ongoing deactivation activities, which include removing 375 fuel assemblies and more than 200,000 gallons of sodium coolant from the reactor facilities.
  - The remaining fuel has been cleaned and placed into interim storage pending shipment to the Idaho National Laboratory. Began extensive preparations to drain the last fuel storage pool in FFTF, with draining scheduled for September. Deactivation activities continue with the resumption of cleaning sodium-potassium (NaK) cooling loops slated for May.

Closing the K Basins
- Consolidating sludge and deactivating and decommissioning the basins
  - Consolidated 90 percent of the 42 cubic meters of sludge in the K East Basin to date.
Continued testing the hose-in-hose system that will transfer sludge from the K East Basin to the K West Basin beginning in July.

- Treating K Basins sludge
  - Continued treating the first radioactive sludge retrieved from the K Basins at Hanford’s T Plant – 286 drums of treated waste have been produced thus far. The grout solidifies and encapsulates the sludge for permanent disposal, either as low-level or contact-handled transuranic (TRU) waste, depending on each drum’s radioactive content. The process is expected to generate an estimated 325 drums of treated waste when the project is finished later this year.

**Remediating Groundwater**

- Ten technologies were selected as suitable for funding as part of a $10 million allocation that Congress granted to the DOE in 2005. The technologies are designed to reduce contaminants that are either currently entering the Columbia River or may reach the river in the future. The funds will be used in fiscal years 2006 and 2007 to address contamination by hexavalent chromium (Cr+6) and strontium-90 (Sr-90) in the 100 Areas (former reactor-production areas), as well as investigate contamination and test new remediation and treatment methods in the Central Plateau and the 300 Area. The funds boost Hanford’s Groundwater Remediation Project budget about 10 percent over the two years.

- Continued drilling a slanted borehole for sampling near PFP to determine the extent of contamination under an historical disposal trench (216-Z-9).

- Completed drilling all 60 monitoring wells required to be completed by the end of calendar year 2006 under the Tri-Party Agreement (TPA). Completed drilling six additional monitoring wells to be completed by the end of calendar year 2007 under the TPA.

**Retrieving and Shipping Transuranic (TRU) Waste**

- As of the end of April, a cumulative total of more than 17,800 drum-equivalents of waste had been retrieved from burial trenches for characterization.

- Continued shipping transuranic waste to the Waste Isolation Pilot Plant in New Mexico, with seven shipments in April. That brings the total number of shipments to 240 and the total number of drums shipped to 7,029.

**Fluor Hanford**

A prime contractor to the Department of Energy since 1996, Fluor Hanford has approximately 3,500 employees and manages several major activities at the Hanford Site, including dismantling former nuclear processing facilities, cleaning up the site’s contaminated groundwater, retrieving and processing transuranic waste for off-site shipment, maintaining the site’s infrastructure, and operating the Volpentest HAMMER Training & Education Center.

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